

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A digital picture signal processing apparatus, comprising:
receiving means for receiving a captured picture signal;
picture processing means for processing the received ~~compressing a captured digital~~
picture signal; and

mode designating means for generating a signal that designates the processing of the
received picture signal into a picture processing operation of said picture processing means to a
first mode or a second mode;

determining means for determining whether the received picture signal is a natural image
or a text image,

wherein when the first mode is designated when the received picture signal is determined
to be the natural image, said picture processing means generates first compressed picture data of
which the digital picture signal is compressed by a non-inversible encoding method, and wherein
when the second mode is designated when the received picture signal is determined to be the text
image, said picture processing means generates second compressed picture data of which the
digital picture signal is digitized and the digitized picture signal is compressed by an inversible
encoding method; and

digitizing means for digitizing the received picture signal using 256 gray scales or 512
gray scales when the first mode is designated, and using two grayscales when the second mode is
designated.

2. (Currently Amended) A digital picture recording apparatus for recording a picture as a ~~digital~~ digitized picture signal to a record medium, comprising:

picture capturing means for capturing ~~a~~ the picture and generating a ~~digital~~ picture signal;

picture processing means for ~~compressing~~ processing the captured ~~digital~~ picture signal;

mode designating means for generating a signal that designates ~~a picture~~ the processing operation of said picture processing means to of the captured picture signal into a first mode or a second mode; and

~~recording means for recording an output signal of said picture processing means to a record medium;~~

determining means for determining whether the captured picture signal is a natural image or a text image,

wherein ~~when the first mode is designated~~ when the captured picture signal is determined to be the natural image, said picture processing means generates first compressed picture data of which the digital picture signal is compressed by a non-inversible encoding method, and wherein ~~when the second mode is designated~~ when the captured picture signal is determined to be the text image, said picture processing means generates second compressed picture data of which the digital picture signal is digitized and the digitized picture signal is compressed by an inversive encoding method;

digitizing means for digitizing the received picture signal using 256 gray scales or 512 gray scales when the first mode is designated, and using two grayscales when the second mode is designated;

compression means for compressing the digitized picture signal using a non-inversible encoding method when the first mode is designated, and using an inversible encoding method when the second mode is designated; and

recording means for recording the compressed picture signal to the record medium.

3. (Currently Amended) The apparatus as set forth in claim 1,

wherein the captured ~~digital picture signal~~ is a digital color picture signal.

4. (Currently Amended) The apparatus as set forth in claim ~~1~~ 49,

wherein the non-inversible encoding ~~process~~ method is performed by compressing a ~~digital~~ the digitized picture signal corresponding to an orthogonal transforming process and an entropy encoding process.

5. (Currently Amended) The apparatus as set forth in claim ~~1~~ 49,

wherein the inversible encoding method is performed by registering a pattern of any length of a data stream to a dictionary and outputting a registered number as an encoded output signal when the same pattern takes place.

6. (Currently Amended) The apparatus as set forth in claim ~~1~~ 50,

wherein ~~said picture processing~~ said compression means converts the first compressed picture data and the second compressed picture data into respective files.

7. (Currently Amended) The apparatus as set forth in claim 6,

wherein the second ~~compressing~~ compressed picture data is converted into a GIF (Graphics Interchange Format) file.

8. (Currently Amended) The apparatus as set forth in claim 7,
wherein said ~~picture processing~~ compression means performs a ~~process for digitizing a digital picture signal and a process for converting the digitized data~~ picture signal into an index value of a GIF color table at a time.

9. (Currently Amended) The apparatus as set forth in claim 2, further comprising:
reproducing means for reproducing the compressed picture ~~data~~ signal recorded on ~~a~~ the record medium,

wherein said picture ~~processing~~ recording apparatus decompresses the reproduced compressed picture signal, generates a reproduced picture, and ~~displaying~~ displays the reproduced picture ~~to displaying means~~.

10. (Currently Amended) The apparatus as set forth in claim 9, further comprising:
enlarging means for enlarging the displayed reproduced picture ~~displayed on said displaying means~~.

11. (Original) The apparatus as set forth in claim 10,
wherein said recording means records the enlarged picture to the record medium.

12. (Currently Amended) A digital picture signal processing method, comprising the steps of:

receiving a captured picture signal;

processing (a) ~~compressing a captured digital~~ the received picture signal; and

(b) —generating a signal that designates the processing of the received picture signal into a picture processing operation performed at the step (a) to a first mode or a second mode;

determining whether the received picture signal is a natural image or a text image,

wherein when the first mode is designated when the received picture signal is determined to be the natural image, the step (a) is performed by generating first compressed picture data of which the digital picture signal is compressed by a non-inversible encoding method, and wherein when the second mode is designated when the received picture signal is determined to be the text image, the step (a) is performed by generating second compressed picture data of which the digital picture signal is digitized and the digitized picture signal is compressed by an inversible encoding method; and

digitizing the received picture signal using 256 gray scales or 512 gray scales when the first mode is designated, and using two grayscales when the second mode is designated.

13. (Currently Amended) A digital picture recording method for recording a picture as a ~~digital~~ digitized picture signal to a record medium, comprising the steps of:

(a) —capturing a ~~the~~ picture and generating a digital picture signal;

processing (b) ~~compressing the captured digital~~ picture signal;

~~(c) — generating a signal that designates a picture the processing operation performed at the step (b) to of the captured picture signal into a first mode or a second mode; and~~
~~(d) — recording an output signal that is output at the step (b) to a record medium,~~
~~determining whether the captured picture signal is a natural image or a text image,~~
~~wherein when the first mode is designated when the captured picture signal is determined to be the natural image, the step (b) is performed by generating first compressed picture data of which the digital picture signal is compressed by a non-inversible encoding method, and wherein when the second mode is designated when the captured picture signal is determined to be the text image, the step (b) is performed by generating second compressed picture data of which the digital picture signal is digitized and the digitized picture signal is compressed by an inversible encoding method;~~
~~digitizing the received picture signal using 256 gray scales or 512 gray scales when the first mode is designated, and using two grayscales when the second mode is designated;~~
~~compressing the digitized picture signal using a non-inversible encoding method when the first mode is designated, and using an inversible encoding method when the second mode is designated; and~~
~~recording the compressed picture signal to the record medium.~~

14-38. (Canceled)

39. (Currently Amended) The apparatus as set forth in claim 2,
wherein the captured ~~digital~~ picture signal is a ~~digital~~ color picture signal.

40. (Currently Amended) The apparatus as set forth in claim 2,
wherein the non-inversible encoding ~~process~~method is performed by compressing a digital picture signal corresponding to an orthogonal transforming process and an entropy encoding process.

41. (Previously Presented) The apparatus as set forth in claim 2,
wherein the inversive encoding method is performed by registering a pattern of any length of a data stream to a dictionary and outputting a registered number as an encoded output signal when the same pattern takes place.

42. (Currently Amended) The apparatus as set forth in claim ~~2~~ 51,
wherein said ~~picture processing~~compression means converts the first compressed picture data and the second compressed picture data into respective files.

43. (Currently Amended) The apparatus as set forth in claim 42,
wherein the second ~~compressing~~compressed picture data is converted into a GIF (Graphics Interchange Format) file.

44. (Currently Amended) The apparatus as set forth in claim 43,
wherein said ~~picture processing~~compression means performs a ~~process for digitizing a digital picture signal and a process for converting the digitized data~~picture signal into an index value of a GIF color table at a time.

45-48. (Canceled)

49. (New) The apparatus as set forth in claim 1, further comprising
compression means for compressing the digitized picture signal using a non-inversible
encoding method when the first mode is designated, and using an inversible encoding method
when the second mode is designated.

50. (New) The apparatus as set forth in claim 49,
wherein said compression means generates first compressed picture data when the first
mode is designated, and generates second compressed picture data when the second mode is
designated.

51. (New) The apparatus as set forth in claim 2,
wherein said compression means generates first compressed picture data when the first
mode is designated, and generates second compressed picture data when the second mode is
designated.